

Converting Colors

$Y_{xy}(75.9000, 0.2535, 0.4155)$

Have a look what the booklet for
Yxy(75.9000, 0.2535, 0.4155)
contains.

Yxy(75.8722, 0.2535, 0.4158)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(75.8722, 0.2535, 0.4158)

Conversions

Conversions Part 1

Format	Color
Hex	32FFBD
RGB	50, 255, 189
RGB Percent	20%, 100%, 74%
CMY	0.8042, 0.0000, 0.2589
CMYK	0.80, 0.00, 0.26, 0.00
HSL	161°, 100%, 60%
HSV	161°, 80%, 100%
XYZ	46.2569, 75.8722, 60.3438
YIQ	186.1810, -100.9940, -63.9860

Conversions

Conversions Part 2

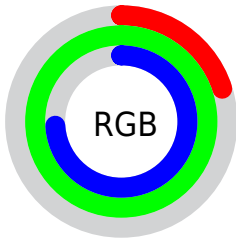
Format	Color
RYB	50, 172, 255
Decimal	3342269
CIELab	89.80, -62.74, 18.13
CIELCh	90, 65.309, 163.880
Yxy	75.8722, 0.2535, 0.4158
Android (android.graphics.Color)	4281532349 (0xFF32FFBD)
YUV	186.1810, 1.3898, -119.4307
Hunter-Lab	87.1046, -57.6408, 19.8987

Details

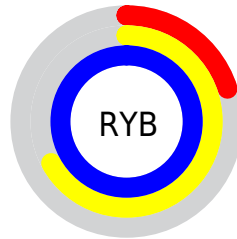
The Yxy color **75.8722, 0.2535, 0.4158** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed spring green. A complement of this color would be **24.7953, 0.5103, 0.2779**, and the grayscale version is **49.2314, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8584, 0.2524, 0.3404**, and **41.7101, 0.2538, 0.4337** is the 20% darker color. If you saturate the color by 10%, you get **75.0468, 0.2537, 0.4282**, and if you desaturate by 10%, it is **77.0738, 0.2553, 0.4033**.

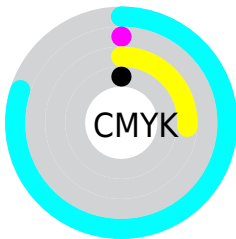
Distribution



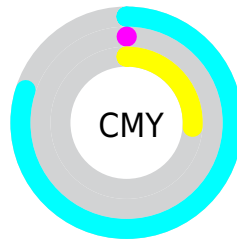
- Red (20%)
- Green (100%)
- Blue (74%)



- Red (20%)
- Yellow (67%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (26%)
- Black (0%)





- Cyan (80%)
- Magenta (0%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.8722, 0.2535, 0.4158 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 75.8722, 0.2535, 0.4158 by changing the saturation by 10% instead.

 75.8722, 0.2535,
0.4158

 75.8722, 0.2535,
0.4158


480.9101, 0.2817,
0.3736

 56.3277, 0.2469,
0.4259


 127.5462, 0.2634,
0.4008


 40.4657, 0.2387,
0.4387


 160.4446, 0.2672,
0.3950

 27.9019, 0.2282,
0.4552


 198.5630, 0.2705,
0.3902

 18.2517, 0.2143,
0.4774

 242.2859, 0.2733,
0.3859

 11.1308, 0.1953,
0.5087

291.9977, 0.2758,
0.3823

 6.1549, 0.1677,
0.5557


348.0827, 0.2780,

 2.9395, 0.1195,

0.3790

0.6364


410.9254, 0.2799,
0.3762


 1.1002, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 75.8722, 0.2535,
0.4158


 75.8722, 0.2535,
0.4158


 75.0468, 0.2537,
0.4282

 77.0738, 0.2553,
0.4033

 74.5339, 0.2555,
0.4399

 78.7104, 0.2592,
0.3909

 80.8242, 0.2649,
0.3789

 83.4536, 0.2723,
0.3674

■ 86.6332, 0.2811,
0.3566

■ 90.3946, 0.2908,
0.3467

■ 94.7666, 0.3013,
0.3376

■ 99.7765, 0.3123,
0.3293

■ 100.0000, 0.3127,
0.3290

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.8722, 0.3247, 0.4674



75.8722, 0.2535, 0.4158



75.8722, 0.2021, 0.3332

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.8722, 0.2535, 0.4158



75.8722, 0.2230, 0.2120



75.8722, 0.4660, 0.3651

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



75.8722, 0.2535, 0.4158



24.7953, 0.5103, 0.2779

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.8722, 0.4340, 0.3090



75.8722, 0.2535, 0.4158



75.8722, 0.2850, 0.2257

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.8722, 0.2535, 0.4158



75.8722, 0.1877, 0.2230



75.8722, 0.3638, 0.2600



75.8722, 0.4497, 0.4209

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.8722, 0.2535, 0.4158



75.8722, 0.1842, 0.2833



75.8722, 0.3638, 0.2600



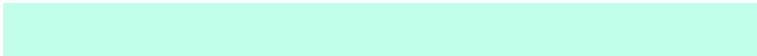
75.8722, 0.4607, 0.3461

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



75.8701, 0.2535, 0.4158



88.9784, 0.2872, 0.3501



75.6216, 0.3254, 0.5611



18.7599, 0.2838, 0.3537



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.8701, 0.2535, 0.4158



74.6794, 0.2549, 0.4363



59.5157, 0.2168, 0.2856



20.3761, 0.3023, 0.3368



38.9740, 0.2550, 0.4379



3.8148, 0.2511, 0.4239

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



24.7953, 0.5103, 0.2779



22.1186, 0.5647, 0.2901



27.8479, 0.5706, 0.3532



18.0834, 0.3243, 0.3214



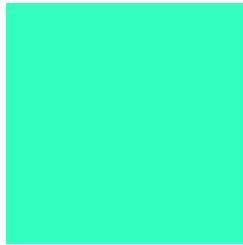
11.4518, 0.5689, 0.2908



1.1340, 0.5370, 0.2732

Previews

White Background



This preview shows how the Yxy color 75.8722, 0.2535, 0.4158 looks on a white background.

Color Contrast Check

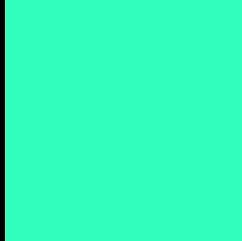
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 75.8722, 0.2535, 0.4158 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

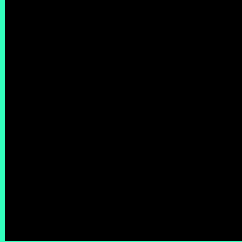
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.8722, 0.2535, 0.4158

Background



This preview shows how black text looks on a background with the Yxy color 75.8722, 0.2535, 0.4158.

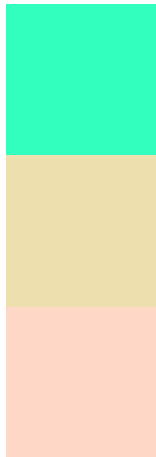


This preview shows how white text looks on a background with the Yxy color 75.8722, 0.2535, 0.4158.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

75.8722, 0.2535, 0.4158

Protanopia

74.0085, 0.3572, 0.3815

Deuteranopia

73.9381, 0.3549, 0.3465



Tritanopia

75.2910, 0.2498, 0.3116

Trichromacy



Original Color

75.8722, 0.2535, 0.4158



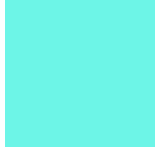
Protanomaly

71.2174, 0.3038, 0.3975



Deuteranomaly

70.2371, 0.3008, 0.3709



Tritanomaly

74.3255, 0.2485, 0.3460

Monochromacy



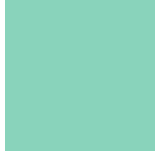
Original Color

75.8722, 0.2535, 0.4158



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

55.4948, 0.2773, 0.3614

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.8722, 0.2535, 0.4158 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(50, 255, 189)` looks like.

```
.text, #text, p{  
    color:rgb(50, 255, 189)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(50, 255, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 255, 189) }
```

Border

The CSS property to change the border of an element to Yxy 75.8722, 0.2535, 0.4158 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(50, 255, 189) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(50, 255, 189) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(50, 255, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 255, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 255, 189);  
box-shadow:4px 4px 4px 4px rgb(50, 255,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 75.8722, 0.2535, 0.4158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 255, 189) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(50, 255,  
189) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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